

1 16. (new) A biologically-degradable or bio-soluble glass fiber composition, characterized in that  
2 it comprises the following components expressed in percent by weight:

3 - SiO<sub>2</sub>: 61 to 66;  
4 - Al<sub>2</sub>O<sub>3</sub>: 1.1 to 1.80;  
5 - (CaO+MgO): higher than 9;  
6 - Na<sub>2</sub>O: 17.50 to 18.50;  
7 - K<sub>2</sub>O: 0.6 to 1;  
8 - B<sub>2</sub>O<sub>3</sub>: 4 to 15;  
9 - P<sub>2</sub>O<sub>5</sub>: 0 to 5;  
10 - SO<sub>3</sub>: 0.1 to 0.5;  
11 - Fe<sub>2</sub>O<sub>3</sub>: 0 to 0.5;  
12 - Others: less than 2.

1 17. (new) The composition as claimed in claim 16, wherein it comprises the following  
2 components expressed in percent by weight:

3 - SiO<sub>2</sub>: 63.95;  
4 - Al<sub>2</sub>O<sub>3</sub>: 1.10;  
5 - CaO: 7.50;  
6 - MgO: 2.50;  
7 - Na<sub>2</sub>O: 17.80;  
8 - K<sub>2</sub>O: 0.70;  
9 - B<sub>2</sub>O<sub>3</sub>: 6.00;  
10 - SO<sub>3</sub>: 0.35;  
11 - Fe<sub>2</sub>O<sub>3</sub>: 0.10;  
12 - Others: less than 2.

1 18. (new) The composition as claimed in claim 16, wherein it comprises the following  
2 components expressed in percent by weight:

3 - SiO<sub>2</sub>: 64.95;  
4 - Al<sub>2</sub>O<sub>3</sub>: 1.20;  
5 - CaO: 7.00;  
6 - MgO: 2.50;  
7 - Na<sub>2</sub>O: 17.80;  
8 - K<sub>2</sub>O: 0.70;  
9 - B<sub>2</sub>O<sub>3</sub>: 4.40;  
10 - P<sub>2</sub>O<sub>5</sub>: 1.00;  
11 - SO<sub>3</sub>: 0.35;  
12 - Fe<sub>2</sub>O<sub>3</sub>: 0.10;  
13 - Others: less than 2.

1 19. (new) The composition as claimed in claim 16, wherein it comprises the following  
2 components expressed in percent by weight:

3	- SiO <sub>2</sub> :	63.40;
4	- Al <sub>2</sub> O <sub>3</sub> :	1.70;
5	- CaO:	6.80;
6	- MgO:	3.60;
7	- Na <sub>2</sub> O:	17.60;
8	- K <sub>2</sub> O:	0.90;
9	- B <sub>2</sub> O <sub>3</sub> :	5.90;
10	- Fe <sub>2</sub> O <sub>3</sub> :	0.10;
11	- Others:	less than 2.

1 20. (new) A biologically-degradable or bio-soluble glass fiber composition, wherein it comprises  
2 the following components expressed in percent by weight:

3	- SiO <sub>2</sub> :	61 to 66;
4	- Al <sub>2</sub> O <sub>3</sub> :	1.1 to 1.25;
5	- (CaO+MgO):	higher than 9;
6	- Na <sub>2</sub> :	17.50 to 18.50;
7	- K <sub>2</sub> O:	0.6 to 1;
8	- B <sub>2</sub> O <sub>3</sub> :	4 to 15;
9	- (B <sub>2</sub> O <sub>3</sub> +P <sub>2</sub> O <sub>5</sub> )	higher than 5;
10	- SO <sub>3</sub> :	0 to 1;
11	- Fe <sub>2</sub> O <sub>3</sub> :	0 to 0.5;
12	- Others:	less than 2.

1 21. (new) The composition as claimed in claim 20, wherein it comprises the following  
2 components expressed in percent by weight:

3	- B <sub>2</sub> O <sub>3</sub> :	higher than 5.5;
4	- P <sub>2</sub> O <sub>5</sub> :	0 to less than 0.1.

1 22. (new) The composition as claimed in claim 20, wherein it comprises the following  
2 component expressed in percent by weight:

3	- SO <sub>3</sub> :	0.1 to 0.5
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1 23. (new) The composition as claimed in claim 20, wherein it comprises the following  
2 components expressed in percent by weight:

3	- B <sub>2</sub> O <sub>3</sub> :	less than 5;
4	- P <sub>2</sub> O <sub>5</sub> :	0.75 to 1.5.

1 24. (new) The composition as claimed in claim 20, wherein it comprises the following  
2 component expressed in percent by weight:

3	- Fe <sub>2</sub> O <sub>3</sub> :	0.05 to 0.2.
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1 25. (new) A biologically-degradable or bio-soluble glass fiber composition, wherein it comprises  
2 the following components expressed in percent by weight:

3 - SiO<sub>2</sub>: 61 to 66;  
4 - Al<sub>2</sub>O<sub>3</sub>: 1.6 to 1.8;  
5 - CaO: 6 to 9;  
6 - MgO: higher than 3.50;  
7 - Na<sub>2</sub>O: 17.50 to 18.50;  
8 - K<sub>2</sub>O: 0.6 to 1.5;  
9 - B<sub>2</sub>O<sub>3</sub>: 5 to 15;  
10 - P<sub>2</sub>O<sub>5</sub>: less than 0.1;  
11 - SO<sub>3</sub>: less than 0.35;  
12 - Fe<sub>2</sub>O<sub>3</sub>: higher than zero  
a 13 - Others: less than 2.

1 26. (new) The composition as claimed in claim 25, wherein it comprises the following  
2 components expressed in percent by weight:

3 - SO<sub>3</sub>: 0.1 to 0.25.

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